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OM protein - protein search, using sw/model

Run on: June 25, 2003, 14:42:11 ; Search time 11.5302 Seconds

(Without alignments)
283.251 Million cell updates/sec

Title: US-09-622-613B-17

Perfect score: 606
Sequence: 1 HONWATFOOKHINTPIICN.....ICVKCENQYVPHAGIGRCP 111

Scoring table: BLDSUM62

Gapop 10.0, Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_AA:*
1: /cgn2_6/prodata/1/1aa/5A.COMB.pep.*
2: /cgn2_6/prodata/1/1aa/5A.COMB.pep.*
3: /cgn2_6/prodata/1/1aa/5A.COMB.pep.*
4: /cgn2_6/prodata/1/1aa/5A.COMB.pep.*
5: /cgn2_6/prodata/1/1aa/5A.COMB.pep.*
6: /cgn2_6/prodata/1/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	582.5	96.1	111	2	US-08-891-848-12
2	582.5	96.1	111	3	US-08-875-811-8
3	278.5	46.0	104	1	US-08-467-955-2
4	273.5	45.1	105	3	US-08-875-811-39
5	273.5	45.1	105	3	US-08-875-811-41
6	273.5	45.1	105	3	US-08-875-811-51
7	271.5	44.8	104	4	US-09-394-268-1
8	271.5	44.8	104	4	US-09-687-748-1
9	271.5	44.8	112	3	US-08-875-811-32
10	271.5	44.8	129	3	US-08-875-811-63
11	271.5	44.8	251	3	US-08-875-811-59
12	271.5	44.8	254	3	US-08-875-811-61
13	271.5	44.8	355	3	US-08-875-811-49
14	271.5	44.8	355	3	US-08-875-811-57
15	271.5	44.8	355	3	US-08-875-811-64
16	271.5	44.8	356	3	US-08-875-811-55
17	271.5	44.8	379	3	US-08-875-811-43
18	268.5	44.3	104	1	US-08-283-971-1
19	268.5	44.3	104	1	US-07-921-619-1
20	268.5	44.3	104	1	US-08-467-955-1
21	268.5	44.3	104	2	US-08-891-848-13
22	266.5	44.0	104	3	US-08-875-811-1
23	266.5	44.0	104	4	US-09-394-268-2
24	266.5	44.0	104	4	US-09-071-672-1
25	266.5	44.0	104	4	US-09-687-748-2
26	266.5	44.0	105	3	US-08-875-811-26
27	266.5	44.0	106	3	US-08-875-811-28

28	266.5	44.0	107	3	US-08-875-811-30	Sequence 30, Appl
29	265.5	43.8	105	3	US-08-875-811-24	Sequence 24, Appl
30	262.5	43.3	358	3	US-08-875-811-45	Sequence 45, Appl
31	262.5	43.3	365	3	US-08-875-811-53	Sequence 53, Appl
32	244.5	38.5	107	3	US-08-875-811-20	Sequence 20, Appl
33	233.5	38.5	111	3	US-08-875-811-22	Sequence 22, Appl
34	230	38.0	114	4	US-09-223-118-3	Sequence 3, Appl
35	226.5	37.4	360	3	US-08-875-811-47	Sequence 47, Appl
36	221	36.5	114	4	US-09-223-118-2	Sequence 2, Appl
37	220	36.3	114	4	US-09-223-118-1	Sequence 1, Appl
38	219	36.1	114	4	US-09-223-118-4	Sequence 4, Appl
39	200	33.0	83	3	US-08-875-811-2	Sequence 2, Appl
40	200	33.0	83	3	US-09-071-672-3	Sequence 3, Appl
41	157	25.9	159	1	US-08-441-629-2	Sequence 22, Appl
42	157	25.9	159	3	US-08-776-207-2	Sequence 2, Appl
43	157	25.9	159	4	US-09-507-773-2	Sequence 2, Appl
44	157	25.9	159	5	PCT-US95-09172-2	Sequence 2, Appl
45	118.5	19.6	125	6	5171845-2	Patent No. 5171845

ALIGNMENTS

RESULT 1
US-08-891-848-12
Sequence 12, Application US/08891848
Patent No. 5955073
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Youle, Richard J.
APPLICANT: Newton, Dianne L.
APPLICANT: Nicholls, Peter J.
TITLE OF INVENTION: Selective RNase Cytotoxic Reagents
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/891,848
FILING DATE: No. 5955073 yet assigned
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/125,462
FILING DATE: 22-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/014,082
FILING DATE: 04-FEB-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/779,195
FILING DATE: 22-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/510,696
FILING DATE: 20-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Ellen Lauver
REGISTRATION NUMBER: 32,762
REFERENCE/DOCKET NUMBER: 015280-11031005
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 111 amino acids
TYPE: amino acid

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STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..111
; OTHER INFORMATION: /note="Frog Lectin from Rana
; OTHER INFORMATION: catesbeiana"
US-08-891-848-12

Query Match          96.1% Score 582.5; DB 2; Length 111;
Best Local Similarity 97.3%; Pred. No. 1.1e-60;
Matches 108; Conservative 1; Mismatches 1; Indels 1; Gaps 1;

OY 2 QNATFOOKHIIPII-CNTIMDNIIYVGCKRVTFTFISSATVKAICTGVIMNV 60
DB 1 ENMATFOOKHIIPIIINCNTIMDNIIYVGCKRVTFTFISSATVKAICTGVIMNV 60

OY 61 LSTTRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQYVPHAGIGRCP 111
DB 61 LSTTRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQYVPHAGIGRCP 111

RESULT 2
US-08-875-811-8
; Sequence 8, Application US/08875811
; Patent No. 6045793
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: Bogue, Luis
; APPLICANT: Wlodawer, Alexander
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESS: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,811
; FILING DATE: 19-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/02588
; FILING DATE: 19-FEB-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/011,800
; FILING DATE: 21-FEB-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Faris, Susan K.
; REGISTRATION NUMBER: 41,739
; REFERENCE/DOCKET NUMBER: 015280-244100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 111 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..111
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OTHER INFORMATION: /note="Frog Lectin from Rana
; OTHER INFORMATION: catesbeiana"
US-08-875-811-8

Query Match          96.1% Score 582.5; DB 3; Length 111;
Best Local Similarity 97.3%; Pred. No. 1.1e-60;
Matches 108; Conservative 1; Mismatches 1; Indels 1; Gaps 1;

OY 2 QNATFOOKHIIPII-CNTIMDNIIYVGCKRVTFTFISSATVKAICTGVIMNV 60
DB 1 ENMATFOOKHIIPIIINCNTIMDNIIYVGCKRVTFTFISSATVKAICTGVIMNV 60

OY 61 LSTTRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQYVPHAGIGRCP 111
DB 61 LSTTRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQYVPHAGIGRCP 111

RESULT 3
US-08-467-955-2
; Sequence 2, Application US/08467955
; Patent No. 5728805
; GENERAL INFORMATION:
; APPLICANT: Ardelt Ph.D, Wojciech J.
; TITLE OF INVENTION: PHARMACEUTICALS AND METHOD FOR MAKING THEM
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Mark H. Jay, P.A.
; STREET: P.O. Box E
; CITY: Short Hills
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07078-0383
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,955
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/178,118
; FILING DATE: 06-APR-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/436,141
; FILING DATE: 13-NOV-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/814,332
; FILING DATE: 03-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/283,970
; FILING DATE: 01-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jay, Mark H.
; REGISTRATION NUMBER: 27507
; REFERENCE/DOCKET NUMBER: 5007 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-912-9066
; TELEFAX: 201-912-0442
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 104 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: N
; ANTI-SENSE: N
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; ORGANISM: Rana pipiens
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DEVELOPMENTAL STAGE: Oocyte
US-08-467-955-2

Query Match 46.0%; Score 278.5; DB 1; Length 104;
Best Local Similarity 48.6%; Pred. No. 2.7e-25;
Matches 54: Conservative 16; Mismatches 32; Indels 9; Gaps 4;

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1 EDMLTFOKKHITNRVDNCNIMSTNLF-----HCKDKNTFLYSRPEPVKAICKGIILSKN 56

Db 60 VLSTTRPOLNTCTRTSITPRPCPYSSRTETNYICVGCENQPVHFGAGIGRC 110
57 VLTTSEFYLSDC---NVTSRPCKYKLTCKSTNKFCTCENQAPVHFGVGVGRC 104

RESULT 4
US-08-875-811-39

Sequence 39, Application US/08875811
Patent No. 6045793

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.

APPLICANT: Newton, Dianne L.

APPLICANT: Boque, Lluis

APPLICANT: Wlodawer, Alexander

TITLE OF INVENTION: Recombinant Ribonuclease Proteins

NUMBER OF SEQUENCES: 64

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, Eighth Floor

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/875,811

FILING DATE: 19-FEB-1998

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: WO PCT/US97/02588

FILING DATE: 19-FEB-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/011,800

FILING DATE: 21-FEB-1996

ATTORNEY/AGENT INFORMATION:

NAME: Faris, Susan K.

REGISTRATION NUMBER: 41,739

REFERENCE/DOCKET NUMBER: 015280-244100US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 39:

SEQUENCE CHARACTERISTICS:

LENGTH: 105 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-875-811-39

Query Match 45.1%; Score 273.5; DB 3; Length 105;

Best Local Similarity 48.2%; Pred. No. 1e-24;

Matches 54: Conservative 16; Mismatches 33; Indels 9; Gaps 4;

OY 1 MONNATFOOKHINT-PIICNTIMDNNIYIVGGOCKRVTFTLISATVKAICTGVI-NM 58

1 EDMLTFOKKHITNRVDNCNIMSTNLF-----HCKDKNTFLYSRPEPVKAICKGIILSKN 56

Db 59 NVLSTTRPOLNTCTRTSITPRPCPYSSRTETNYICVGCENQPVHFGAGIGRC 110

57 VLTTSEFYLSDC---NVTSRPCKYKLTCKSTNKFCTCENQAPVHFGVGVGRC 104

Db 57 NVLTTSEFYLSDC---NVTSRPCKYKLTCKSTNKFCTCENQAPVHFGVGVGRC 105

RESULT 5

US-08-875-811-41

Sequence 41, Application US/08875811

Patent No. 6045793

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.

APPLICANT: Newton, Dianne L.

APPLICANT: Boque, Lluis

APPLICANT: Wlodawer, Alexander

TITLE OF INVENTION: Recombinant Ribonuclease Proteins

NUMBER OF SEQUENCES: 64

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, Eighth Floor

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/875,811

FILING DATE: 19-FEB-1998

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: WO PCT/US97/02588

FILING DATE: 19-FEB-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/011,800

FILING DATE: 21-FEB-1996

ATTORNEY/AGENT INFORMATION:

NAME: Faris, Susan K.

REGISTRATION NUMBER: 41,739

REFERENCE/DOCKET NUMBER: 015280-244100US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 41:

SEQUENCE CHARACTERISTICS:

LENGTH: 355 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-875-811-41

Query Match 45.1%; Score 273.5; DB 3; Length 355;

Best Local Similarity 48.2%; Pred. No. 4.6e-24;

Matches 54: Conservative 16; Mismatches 33; Indels 9; Gaps 4;

OY 1 MONNATFOOKHINT-PIICNTIMDNNIYIVGGOCKRVTFTLISATVKAICTGVI-NM 58

251 EDMLTFOKKHITNRVDNCNIMSTNLF-----HCKDKNTFLYSRPEPVKAICKGIILSKN 306

Db 59 NVLSTTRPOLNTCTRTSITPRPCPYSSRTETNYICVGCENQPVHFGAGIGRC 110

307 NVLTTSEFYLSDC---NVTSRPCKYKLTCKSTNKFCTCENQAPVHFGVGVGRC 355

RESULT 6

US-08-875-811-51

Sequence 51, Application US/08875811

Patent No. 6045793

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.

APPLICANT: Newton, Dianne L.

APPLICANT: Boque, Lluis

APPLICANT: Wlodawer, Alexander
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02568
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Paris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 51:
SEQUENCE CHARACTERISTICS:
LENGTH: 358 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-875-811-51

Query Match 45.1%; Score 273.5; DB 3; Length 358;
Best Local Similarity 48.2%; Pred. No. 4.6e-24;
Matches 54; Conservative 16; Mismatches 33; Indels 9; Gaps 4;

QY 1 MGNMATEFOOKHIINT-PIICNTIMDNNIYIVGGCKRVTFTFISSATTVAICTGYI-NM 58
DB 1 MEDWLFQKKHITNTRDVDCDINMSTNLF---HCKDKNTFTYSRPEPVKAICKGIIASKN 56
QY 59 VLSSTRFQNLCTRTSTIPRCPYSSRTETNYICVKGCEQYVHFAGIGRC 110
DB 57 VLTTSFYLSDC---NVTSRPCKYKLLKSTNKFVTCENQAPVHFVGVGSC 105

RESULT 7
US-09-394-268-1
Sequence 1, Application US/09394268
Patent No. 6175003
GENERAL INFORMATION:
APPLICANT: Saxena, Shailendra K
TITLE OF INVENTION: NUCLEIC ACIDS ENCODING RIBONUCLEASES AND METHODS OF
FILE REFERENCE: 5013
CURRENT APPLICATION NUMBER: US/09/394,268
FILING DATE: 1999-09-10
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 1
LENGTH: 104
TYPE: PRT
ORGANISM: Rana pipiens
US-09-394-268-1

Query Match 44.8%; Score 271.5; DB 4; Length 104;

Best Local Similarity 48.6%; Pred. No. 1.8e-24;
Matches 54; Conservative 15; Mismatches 33; Indels 9; Gaps 4;

QY 2 QNMATEFOOKHIINT-PIICNTIMDNNIYIVGGCKRVTFTFISSATTVAICTGYI-NM 59
DB 1 QDWLTFQKKHITNTRDVDCDINMSTNLF---HCKDKNTFTYSRPEPVKAICKGIIASKN 56
QY 60 VLSSTRFQNLCTRTSTIPRCPYSSRTETNYICVKGCEQYVHFAGIGRC 110
DB 57 VLTTSFYLSDC---NVTSRPCKYKLLKSTNKFVTCENQAPVHFVGVGSC 104

RESULT 8
US-09-687-748-1
Sequence 1, Application US/09687748
Patent No. 6423515
GENERAL INFORMATION:
APPLICANT: Saxena, Shailendra K
TITLE OF INVENTION: METHODS OF MAKING NUCLEIC ACIDS ENCODING RIBONUCLEASES
FILE REFERENCE: 5013 US 01
CURRENT APPLICATION NUMBER: US/09/687,748
FILING DATE: 2000-10-14
PRIOR APPLICATION NUMBER: 09/394,268
NUMBER OF SEQ ID NOS: 8
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 1
LENGTH: 104
TYPE: PRT
ORGANISM: Rana pipiens
US-09-687-748-1

Query Match 44.8%; Score 271.5; DB 4; Length 104;
Best Local Similarity 48.6%; Pred. No. 1.8e-24;
Matches 54; Conservative 15; Mismatches 33; Indels 9; Gaps 4;

QY 2 QNMATEFOOKHIINT-PIICNTIMDNNIYIVGGCKRVTFTFISSATTVAICTGYI-NM 59
DB 1 QDWLTFQKKHITNTRDVDCDINMSTNLF---HCKDKNTFTYSRPEPVKAICKGIIASKN 56
QY 60 VLSSTRFQNLCTRTSTIPRCPYSSRTETNYICVKGCEQYVHFAGIGRC 110
DB 57 VLTTSFYLSDC---NVTSRPCKYKLLKSTNKFVTCENQAPVHFVGVGSC 104

RESULT 9
US-08-875-811-32
Sequence 32, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Bogue, Lluís
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:

COMBINATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Faris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300

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? TELEPHONE: (415) 576-0200
? TELEFAX: (415) 576-0300
? INFORMATION FOR SEQ ID NO: 59:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 251 amino acids
? TYPE: amino acid
? TOPOLOGY: linear
? MOLECULE TYPE: protein
? OS-08-875-811-59

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Query Match	44.8%	Score 271.5	DB 3	Length 251
Best Local	Similarly	48.2%	Pred. No. 5.2e-24	
Matches	54	Conservative	15	Mismatches 34
				Indels 9
				Gaps 4

OY 1 MONNATFOQKHIIINT-PIICNTIMDNIIYVGGCKRVYTFIISATTVAICTGVI-NM 58
Db 147 MSDMLTFQKHIIYTRVDVCDNIMSTNLF---HCKDKNTFIYSRPEPVKAICGIIASK 202
OY 59 NVLSTTRQNLCTRTSTTPRCPCYSSRTETNYICVCKENOPYPHFAGIGRC 110
Db 203 NVLTTSEYISDC--NVTSRPCRYKLLKSTNKCVCYCNQAPVHFVGVCSC 251

RESULT 12

US-08-875-811-61
Sequence 61, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Bogue, Lluís
APPLICANT: Wlodawer, Alexander
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Fails, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 61:
SEQUENCE CHARACTERISTICS:
LENGTH: 254 amino acids
TYPE: amino acid
TOPOLOGY: Linear
MOLECULE TYPE: protein
US-08-875-811-61

Query Match 44.8%, Score 271.5; DB 3; Length 254;
Best Local Similarity 48.2%, Pred. No. 5.2e-24;
Matches 54; Conservative 15; Mismatches 34; Indels 9; Gaps 4;

OY 1 MONNATFOQKHIIINT-PIICNTIMDNIIYVGGCKRVYTFIISATTVAICTGVI-NM 58
Db 1 MSDMLTFQKHIIYTRVDVCDNIMSTNLF---HCKDKNTFIYSRPEPVKAICGIIASK 56
OY 59 NVLSTTRQNLCTRTSTTPRCPCYSSRTETNYICVCKENOPYPHFAGIGRC 110
Db 57 NVLTTSEYISDC--NVTSRPCRYKLLKSTNKCVCYCNQAPVHFVGVCSC 105

RESULT 13
US-08-875-811-49
Sequence 49, Application US/08875811

Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Bogue, Lluís
APPLICANT: Wlodawer, Alexander
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Fails, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 355 amino acids
TYPE: amino acid
TOPOLOGY: Linear
MOLECULE TYPE: protein
US-08-875-811-49

Query Match 44.8%, Score 271.5; DB 3; Length 355;
Best Local Similarity 48.2%, Pred. No. 7.9e-24;
Matches 54; Conservative 15; Mismatches 34; Indels 9; Gaps 4;

OY 1 MONNATFOQKHIIINT-PIICNTIMDNIIYVGGCKRVYTFIISATTVAICTGVI-NM 58
Db 251 MSDMLTFQKHIIYTRVDVCDNIMSTNLF---HCKDKNTFIYSRPEPVKAICGIIASK 306
OY 59 NVLSTTRQNLCTRTSTTPRCPCYSSRTETNYICVCKENOPYPHFAGIGRC 110
Db 307 NVLTTSEYISDC--NVTSRPCRYKLLKSTNKCVCYCNQAPVHFVGVCSC 355

RESULT 14
US-08-875-811-57
Sequence 57, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Bogue, Lluís
APPLICANT: Wlodawer, Alexander
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco

STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Faris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 57:
SEQUENCE CHARACTERISTICS:
LENGTH: 355 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-875-811-57

Query Match 44.8%; Score 271.5; DB 3; Length 355;
Best Local Similarity 48.2%; Pred. No. 7.9e-24;
Matches 54; Conservative 15; Mismatches 34; Indels 9; Gaps 4;
OY 1 MONNATFOOKHIINT-PIICNTIMNNIYIVGGCCRRVTTFIISATTVAICIGVI-NM 58
Db 1 MSDLTFQKXKHITRTDVDCDNIMSTLNF----HCKRKNFTIYRPREPVNAICIGITASK 56
OY 59 NVLSTFRQLNTCTRTSITPRPCPYSSRTETNYICVXCENQYPVHFAIGIRC 110
Db 57 NVLSTSEFLSDC--NVTSRPKYKLLKSKNKFCVTCENQAPVHFAVGVGSC 105

RESULT 15
US-08-875-811-64
Sequence 64, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Boque, Lluis
APPLICANT: Wlodawer, Alexander
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Faris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 64:
SEQUENCE CHARACTERISTICS:
LENGTH: 355 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..355
OTHER INFORMATION: /note="E6FB[met-(-1)]SerIrc"
US-08-875-811-64

Query Match 44.8%; Score 271.5; DB 3; Length 355;
Best Local Similarity 48.2%; Pred. No. 7.9e-24;
Matches 54; Conservative 15; Mismatches 34; Indels 9; Gaps 4;
OY 1 MONNATFOOKHIINT-PIICNTIMNNIYIVGGCCRRVTTFIISATTVAICIGVI-NM 58
Db 251 MSDLTFQKXKHITRTDVDCDNIMSTLNF----HCKRKNFTIYRPREPVNAICIGITASK 306
OY 59 NVLSTFRQLNTCTRTSITPRPCPYSSRTETNYICVXCENQYPVHFAIGIRC 110
Db 307 NVLSTSEFLSDC--NVTSRPKYKLLKSKNKFCVTCENQAPVHFAVGVGSC 355

Search completed: June 25, 2003, 15:00:18
Job time : 11.5302 secs

